ficonTEC
photonics assembly & testing

Test Engineering Head (m/f/d)

ficonTEC is hiring a talented Test Engineer professional to join in a leading position at the Headquarters campus in Achim, Germany. As principal engineer in photonics testing the candidate will support the company strategy for the development of a business line for Photonics Integrated Circuits testing, including VCSELs, both at the device and wafer level.

Your tasks

- Establish a working framework for necessary contributions from various departments (Sales, Project Management, Design, Automation, R&D) and facilitate their collaboration
- With knowledge and servant leadership, will recruit within and outside ficonTEC a dedicated technical team able to design, develop, deploy and service automated PICs testers
- Document and monitor Testing Machine Design Development
- Analyze current technologies used within the company and industry to develop steps and processes to improve automatic testing procedures, provide feedback and alternative solutions to streamline value creation
- Detailed understanding of how to properly document customer testing requirements and create effective and focused testing solutions
- Assist other department engineers in creating practical demonstrations of proposed solutions and demonstrating them to other members of the team and to customers
- Work closely with ficonTEC departments to ensure T&M equipment inventory and availability for projects developments
- Provide detailed specifications for proposed solutions including time and scope involved and support company's buyer in the procurement process
- Define clear goals for all aspects, included automation, of an ATE machine and develop steps for their proper design and implementation
- Document and monitor testing outcomes, machine performances and establish steps to continuous improvements

Your qualifications

- University degree in BsEE, MsEE, Physics, or related fields is preferred. 5+ years of experience in Photonics Measurement and Optics is required

- Project development and leadership skills are essential in planning and overseeing projects
- Current understanding of best practices regarding automation systems, experience in software development and testing
- Advanced understanding and experience with software engineering, customer experience and design architecture as well as with edge and cloud software solutions for IIoT
- Ability to work with various departments to facilitate the orderly execution of a proposed project plan
- Advanced knowledge of testing methodologies and strategies from characterization to go‑no‑go (or sorting) volume testing in production
- Basic knowledge of Machine Learning and Big Data Analytics
- Considerable knowledge of instrumentation for electronics and photonics testing such as optical spectrum analyzers, optical power meters, network analyzers, digital oscilloscopes, tunable laser sources, etc. Knowledge of RF testing best practices and instrumentation, including microwave de‑embedding techniques
- Deep knowledge of measurement software and best practices for automation in validation and production testing environments. Knowledge of NI LabVIEW and TestStand software, other test sequencers and SCPI programming language are a plus
- Proficiency in written and spoken English is required. Knowledge of German is a plus
- Available to travel with short notice
- Use of Microsoft Office, Salesforce.com, other enterprise level software resources
- Excellent mechanical skills and problem‑solving abilities
- Communication skills (active listening, good communicator in verbal and written interactions)
- High attention to details, organized and proactive
- Project development and leadership skills are essential in planning and overseeing projects

Your application

Have we attracted your interest? Then please send us your application and CV including your salary expectations in English or German language vie e‑Mail to jobs@ficontec.com